

ABSTRACT

To provide a highly safe and hygienic method for industrially efficiently producing a perovskite-type composite oxide at low temperatures in heat treatment, in which the resulting perovskite-type composite oxide can maintain the catalytic activity of a noble metal at a high level over a long time, in a method for producing a perovskite-type composite oxide, a perovskite-type composite oxide is produced by mixing organometal salts of all elementary components constituting the perovskite-type composite oxide to prepare a precursor of the perovskite-type composite oxide, or mixing one or more organometal salts of part of the elementary components constituting the perovskite-type composite oxide with the other elementary components prepared as alkoxides of the respective elements, a coprecipitate of salts of the respective elements or a citrate complex of the respective elements to prepare a precursor of the perovskite-type composite oxide, and heat-treating the precursor of the perovskite-type composite oxide.